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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-36 (Cancelled)

37. (Previously presented) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 50 wherein at least one of the carbon atoms participating in said C-C bond is also bonded to at least one fluorine atom.

38-40. (Cancelled)

- 41. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said oxidizing agent comprises hydrogen peroxide.
- 42. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R_1 comprises hydrogen.
- 43. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R₂ comprises an organofluoro moiety containing CF₃.
- 44. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R₂ consists essentially of C and F atoms.

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- 45. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R₂ consists essentially of C and F atoms alone.
- 46. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R_2 comprises consists essentially of C and F atoms and R_3 consists essentially of an alkyl.
- 47. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R₃ contains CH₃ moieties.
- 48. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R₄ comprises a leaving group.
- 49. (Currently Amended) The low dielectric constant fluorine and carbon-doped silicon oxide dielectric material of claim 52 [[39]] wherein said R₄ comprises hydrogen.
- 50. (Previously Presented) A low dielectric constant fluorine and carbon-doped silicon oxide dielectric material for use in an integrated circuit structure and further characterized by:
 - (a) each silicon atom is bonded to at least 1 oxygen atom;
 - (b) silicon atoms bonded to carbon atoms;
 - (c) at least 1 carbon atom bonded to 1 to 2 fluorine atoms; and
 - (d) the presence of at least 1 C-C bond.
- 51. (Previously Presented) A low dielectric constant fluorine and carbon-doped silicon oxide dielectric material for use in an integrated circuit structure wherein all silicon atoms are bonded to at least 1 oxygen atom.

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- 52. (New) A low dielectric constant fluorine and carbon-doped silicon oxide dielectric material for use in an integrated circuit structure wherein all silicon atoms are bonded to at least 1 oxygen atom, said low dielectric constant fluoride and carbon-doped silicon oxide dielectric material comprising the reaction product of an oxidizing agent and one or more silanes comprising one or more organofluoro silanes having the formula SiR₁R₂R₃R₄, wherein:
 - (a) R₁ is selected from the group consisting of H, a 3 to 5 carbon organo moiety, and an oxyorgano moiety;
 - (b) R₂ is an organofluoro moiety; and
 - (c) R, and R₄ are independently selected from the group consisting of the same or different leaving group, the same or different organofluoro moiety, and the same or different $((L)Si(R_5)(R_6))_n(R_7)$; wherein n ranges from 1 to 5; L is O or $(C(R_8)_2)_m$; m ranges from 1 to 4; each of the n R₅'s and n R₆'s is independently selected from the group consisting of the same or different leaving group and the same or different organofluoro moiety; R7 is selected from the group consisting of a leaving group and an organofluoro moiety; and each of the 2n*m or fewer R₈'s is selected from the group consisting of F and the same or different organofluoro moiety.